



ABSTRACT OF THE DISCLOSURE

A material system for use in a 3D-printing, which exhibits a higher form stability. The material system contains binder and solvent as well as optional filler materials. The binder is soluble in the solvent, as well as two complementary polyelectrolytes, and/or an initiator for a cross linking reaction of the binder. The advantage of such a mixed material system is comprised in the essentially higher binder force between the individual particles. This enhanced binder force results either from the acid-base linkages, which form between the complementary polyelectrolytes, or from the supplemental networking initiated by the initiators, or from both. Substantially higher binding forces between the individual particles means at the same time a substantially higher shape stability of the 3D-printing product.

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